

were scrutinized by the presiding officer, and the following gentlemen declared duly elected Members of the Society:

M. Jean Baptiste Léon Say, Prefect of the Seine, Paris.

Mr. Lorin Blodget, of Philadelphia.

Dr. D. Hayes Agnew, of Philadelphia.

Mr. Adolph E. Borie, of Philadelphia.

And the meeting was adjourned.

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*Stated Meeting, May 3d, 1872.*

Present, 18 members.

Vice-President, Prof. CRESSON, in the Chair.

A letter accepting membership was received from Dr. D. Hayes Agnew, dated 1611 Chestnut Street, Philadelphia, April 22, 1872.

A Circular Letter, signed by the Mayor of Strasburg and others, requesting donations to the Municipal Library of that city, destroyed August 24, 1870, was read.

On motion, the request of Prof. Stevenson, to print a note to his Memoirs in the Transactions, was granted.

Donations to the Library were announced from the Royal Academies at Berlin and Brussels, the Geographical Society and Political Review of Paris, London Nature, the Canadian Naturalist, Old and New, Silliman's Journal, American Chemist, Prof. Mayer, the Franklin Institute, College of Physicians, Pennsylvania Historical Society, and Dr. Hayden.

The death of John P. Brown, a member of the Society, at Constantinople, on the 28th ult., was announced by the Secretary.

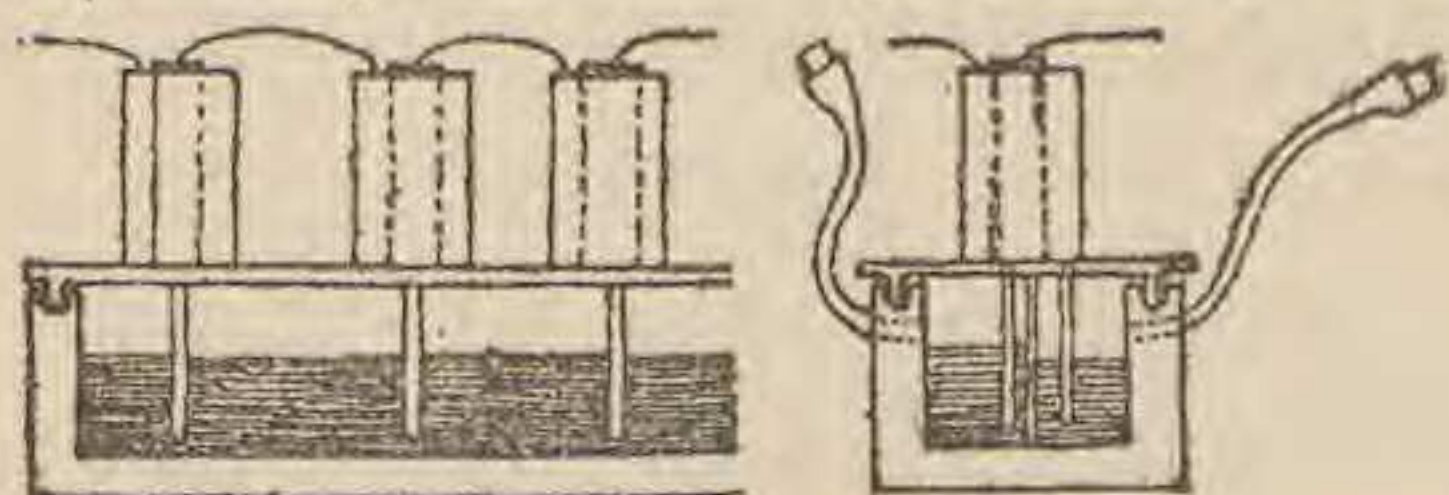
The death of Dr. W. W. Gerhard, a member of the Society, at his residence, 1206 Spruce Street, Philadelphia, April 28th, aged 63, was announced by the Secretary.

Dr. Rogers explained to the members present his improved



Galvanic Battery; and also an improved method of analyzing irons and steels for their contained carbon, by the use of bichromate of potassium:

*Improved Galvanic Battery, by H. E. Rogers M.D.*



The wood-cut represents a trough, on which stands the battery of cups. A pair of tubes descend from each cup, through the lid of trough, into the liquids. The trough is divided lengthwise by a diaphragm. The tubes of each pair descend one on each side of the diaphragm. The lid of the trough is made air-tight, by the following arrangement: A groove is sunk in the upper edge of of the four walls of the trough, and a bead to fit the groove runs round the under side of the lid near the edge. The groove being half filled with mercury, the joint is kept air-tight by the weight of the lid and battery. An India-rubber pipe enters the trough, and the breath (or a bellows) is sufficient to cause the liquids to ascend into the cups of the battery during work. After work, the cork is withdrawn from the mouth-piece of the India-rubber tube, and the liquors fall back into the trough. The lid and battery can then be removed and washed.

Mr. Lesley described the faulted structure of the district around Embreeville, in East Tennessee; and exhibited a suite of European iron ores, owned by Mr. Thomas Graham, and another of the ores of North Carolina.

Prof. Cope described the sightless fauna of the Mammoth, Wyandotte, and other Caves.

Pending nominations, Nos. 693, 694, 695, were read,  
And the meeting was adjourned.

*Stated Meeting, May 17th, 1872.*

Present, 13 members.

Vice-President, Mr. FRALEY, in the Chair.

A letter accepting membership was received from Professor Guillaume Lambert, dated Bruxelles, Rue Traversière, No. 78, April 30, 1872.

A letter acknowledging receipt of Transactions, XIV., i. ii., and Proceedings, 78-85, was received from Professor Paolo Volpicelli, dated del Campidoglio, Roma, Reale Acc. d. Lincei, December 12, 1871.